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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/830,684 04/30/2001		Masato Takahashi	206379US2PCT	9633	
22850 75	90 04/24/2003				
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. 1940 DUKE STREET ALEXANDRIA, VA 22314			EXAMINER		
			KIM, PETER B		
			ART UNIT	PAPER NUMBER	
			2851		
			DATE MAILED: 04/24/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.		Applicant(s)	/		
		09/830,684		TAKAHASHI, MASATO	\		
Office Action Summary		Examiner		Art Unit			
		Peter B. Kim		2851			
	The MAILING DATE of this communication a	ppears on the cover	r sheet with the	correspondence address			
Period fo			DIDE A MONTH	(O) EDOM			
THE N - Exter after - If the - If NO - Failui - Any r	ORTENED STATUTORY PERIOD FOR REP MAILING DATE OF THIS COMMUNICATION Isions of time may be available under the provisions of 37 CFR 1 SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a reperiod for reply is specified above, the maximum statutory perion to reply within the set or extended period for reply will, by statutely received by the Office later than three months after the mailed patent term adjustment. See 37 CFR 1.704(b).	l. 1.136(a). In no event, howe ply within the statutory mir d will apply and will expire ute. cause the application to	. ever, may a reply be ti nimum of thirty (30) da SIX (6) MONTHS fror o become ABANDON	imely filed bys will be considered timely. in the mailing date of this communication. ED (35 U.S.C. § 133).			
1)⊠	Responsive to communication(s) filed on 13	<u> March 2003</u> .					
2a) <u></u> ☐	This action is FINAL . 2b)⊠ 3	This action is non-f	inal.				
3)□	Since this application is in condition for allow closed in accordance with the practice under	wance except for for	ormal matters, p	prosecution as to the merits is			
Dispositi	on of Claims	er Ex parte Quayle,	, 1900 O.D. 11,	400 0.0. 210.			
-	Claim(s) 28,29 and 31-60 is/are pending in						
	4a) Of the above claim(s) is/are withdo	rawn from consider	ation.				
5)⊠	Claim(s) <u>28,29,31-44,53 and 54</u> is/are allowed	ed.					
6)⊠	Claim(s) 46-52 and 55-60 is/are rejected.						
•	Claim(s) is/are objected to.						
=	Claim(s) are subject to restriction and	l/or election require	ement.				
• •	ion Papers						
•	The specification is objected to by the Exami		ted to by the Ev	aminer			
10)	The drawing(s) filed on is/are: a) acception and applicant may not request that any objection to						
441	The proposed drawing correction filed on						
11)	If approved, corrected drawings are required in			•			
12)	The oath or declaration is objected to by the						
	under 35 U.S.C. §§ 119 and 120						
-	Acknowledgment is made of a claim for fore	eign priority under 3	35 U.S.C. § 119	(a)-(d) or (f).			
-	⊠ All b) Some * c) None of:						
_, 	1.⊠ Certified copies of the priority docume	ents have been rec	eived.				
	2. Certified copies of the priority documents have been received in Application No						
*	Copies of the certified copies of the p application from the International See the attached detailed Office action for a l	riority documents h Bureau (PCT Rule	nave been recei 17.2(a)).	ived in this National Stage			
14)	Acknowledgment is made of a claim for dome	estic priority under	35 U.S.C. § 119	9(e) (to a provisional application	n).		
15)□	 a) The translation of the foreign language Acknowledgment is made of a claim for dome 	provisional applica estic priority under	tion has been re 35 U.S.C. §§ 1	eceived. 20 and/or 121.			
Attachme		· •					
1) Noti	ice of References Cited (PTO-892) ice of Draftsperson's Patent Drawing Review (PTO-948) rmation Disclosure Statement(s) (PTO-1449) Paper No(4) [5) [s) <u>9</u> 6) [ary (PTO-413) Paper No(s) al Patent Application (PTO-152)			

Application/Control Number: 09/830,684

Art Unit: 2851

DETAILED ACTION

Applicant's arguments filed on Mar. 13, 2003 (paper #11) have been fully considered.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 46-52, 55-60 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Regarding Claims 46 and 58, the recitation of a stage base or a first supporting frame that "movably supports." It if unclear whether the stage base of the first supporting frame is moving or whether the stage or the counter stage is moving.

Regarding Claims 46 and 58, the structural relationship between the first supporting frame and the counter stage, the stage and the stage base is unclear. Further, regarding Claim 46, the independent nature of the stage base and the first supporting frame is unclear.

Regarding Claim 48, the embodiment of Fig. 4, does not seem to disclose a first supporting frame that is arranged independently of the stage base and a damping member arranged on the first supporting frame.

The remaining claims, not specifically mentioned, are rejected for incorporating the defects from the base claim by dependency.

The following art rejection is made based on the examiner's best understanding of the claims despite the outstanding issues with the claims.

Claim Rejections - 35 USC § 102

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The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 46-52, 55, 56, 58 and 59 are rejected under 35 U.S.C. 102(e) as being anticipated by Tokuda et al. (Tokuda) (US 2002/0054280).

Tokuda discloses an exposure apparatus that forms a pattern on a substrate (6) while a stage (7) moves, comprising a stage base that movably supports the stage (33), a counter stage (35) that moves in a direction opposite to the stage in accordance with movement of the stage, a first supporting frame (1) and a damping member (36, 37) damps a vibration of the first supporting frame.

Claims 58 and 59 are rejected under 35 U.S.C. 102(b) as being anticipated by Osanai (5,610,686).

Osanai discloses a stage apparatus with a stage (5) moves, comprising a stage base that movably supports the stage (6), a counter stage (8) that moves in a direction opposite to the stage in accordance with movement of the stage, a first supporting frame (9) and a damping member (13) damps a vibration of the first supporting frame.

Allowable Subject Matter

Claims 28, 29, 31-44, 53, and 54 are allowed.

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Claims 57 and 60 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

None of the prior art of record teaches or discloses a stage unit comprising a first transmitting member to which at least one part of the stage driving mechanism is connected and a reaction force caused by driving the sample stage is transmitted where the first damping member is arranged to a position where a maximum strain of the first transmitting member is caused.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peter Kim whose telephone number is (703) 305-0105. The examiner can normally be reached on Monday-Thursday from 6:30 AM to 4:00 PM. The examiner can also be reached on alternate Fridays during the same hours.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Russ Adams, can be reached on (703) 308-2847. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.

Peter B. Kim

Patent Examiner

April 21, 2003